

FILE 'HCAPLUS' ENTERED AT 12:17:46 ON 14 NOV 2006
E US20050287776/PN

L1 1 SEA ABB=ON PLU=ON US2005287776/PN
L2 SEL PLU=ON L1 1- RN : 4 TERMS
L3 258313 SEA ABB=ON PLU=ON L2
L4 1 SEA ABB=ON PLU=ON L1 AND L3

FILE 'STNGUIDE' ENTERED AT 12:18:08 ON 14 NOV 2006

FILE 'HCAPLUS' ENTERED AT 12:20:06 ON 14 NOV 2006

L5 3 SEA ABB=ON PLU=ON (EP 1054433 OR JP 2000323422 OR US 6403410
OR JP 2002170782 OR WO 0280254 OR WO 200280254)/PN

FILE 'STNGUIDE' ENTERED AT 12:20:06 ON 14 NOV 2006

FILE 'HCAPLUS' ENTERED AT 12:21:37 ON 14 NOV 2006

L6 2 SEA ABB=ON PLU=ON (JP 2002299241 OR JP 10012890)/PN
S 19287-45-7/REG#

FILE 'REGISTRY' ENTERED AT 12:21:38 ON 14 NOV 2006

L7 1 SEA ABB=ON PLU=ON 19287-45-7/RN

FILE 'HCAPLUS' ENTERED AT 12:21:38 ON 14 NOV 2006

L8 4468 SEA ABB=ON PLU=ON L7

FILE 'STNGUIDE' ENTERED AT 12:21:39 ON 14 NOV 2006

FILE 'REGISTRY' ENTERED AT 12:21:53 ON 14 NOV 2006

L9 66 SEA ABB=ON PLU=ON "B2 H6"/MF
L10 66 SEA ABB=ON PLU=ON L7 OR L9
L11 SEL PLU=ON L10 1- RN : 66 TERMS
L12 23 SEA ABB=ON PLU=ON L11/CRN
L13 89 SEA ABB=ON PLU=ON L10 OR L12

FILE 'HCAPLUS' ENTERED AT 12:23:23 ON 14 NOV 2006

L14 4554 SEA ABB=ON PLU=ON L13
L15 4554 SEA ABB=ON PLU=ON L8 OR L14
L16 1033 SEA ABB=ON PLU=ON L15 AND DOP####/TI,ST,IT,CT
L17 38 SEA ABB=ON PLU=ON L15 AND DILU#####/TI,ST,IT,CT
L18 1047 SEA ABB=ON PLU=ON (L16 OR L17)
L19 723 SEA ABB=ON PLU=ON L15 AND PLASMA#####
L20 8 SEA ABB=ON PLU=ON L15 AND ION####(4A)(CURRENT OR AMP OR
AMPERAGE OR DENSITY)
L21 12 SEA ABB=ON PLU=ON L15 AND (CURRENT OR AMP OR AMPERAGE) (4A) DENSITY
L22 11 SEA ABB=ON PLU=ON L15 AND CHARG####(4A) DENSITY
L23 4 SEA ABB=ON PLU=ON L15 AND (CURRENT OR AMP OR AMPERAGE) (4A) CHARG###
L24 4 SEA ABB=ON PLU=ON L15 AND ELECTRON TEMPERATURE
L25 121 SEA ABB=ON PLU=ON L15 AND PLASMA(3A) DOP#####
L26 13 SEA ABB=ON PLU=ON L15 AND RARE GAS
L27 56 SEA ABB=ON PLU=ON L15 AND INERT GAS
L28 35 SEA ABB=ON PLU=ON L15 AND NOBLE GAS
L29 18 SEA ABB=ON PLU=ON L15 AND BIAS VOLTAGE
L30 10 SEA ABB=ON PLU=ON L15 AND BIAS POTENTIAL
L31 22 SEA ABB=ON PLU=ON L15 AND ELECTRIC POTENTIAL
L32 16155 SEA ABB=ON PLU=ON ELECTRON TEMPERATURE
L33 26152 SEA ABB=ON PLU=ON ("E" OR ELECTRONIC##) (2A) TEMPERATURE

FILE 'REGISTRY' ENTERED AT 12:32:14 ON 14 NOV 2006

L34 9 SEA ABB=ON PLU=ON BF3/MF
 L35 SEL PLU=ON L34 1- RN : 9 TERMS
 L36 317 SEA ABB=ON PLU=ON L35/CRN
 L37 25 SEA ABB=ON PLU=ON "B10 H14"/MF
 L38 SEL PLU=ON L37 1- RN : 25 TERMS
 L39 54 SEA ABB=ON PLU=ON L38/CRN
 L40 2 SEA ABB=ON PLU=ON "B5 H7"/MF
 L41 SEL PLU=ON L40 1- RN : 2 TERMS
 L42 0 SEA ABB=ON PLU=ON L41/CRN
 L43 25 SEA ABB=ON PLU=ON "B H3"/MF
 L44 SEL PLU=ON L43 1- RN : 25 TERMS
 L45 75 SEA ABB=ON PLU=ON L44/CRN

FILE 'HCAPLUS' ENTERED AT 12:35:54 ON 14 NOV 2006

L46 26 SEA ABB=ON PLU=ON (L32 OR L33) AND (L34 OR L36 OR L37 OR L39
 OR L40 OR L43 OR L45)

FILE 'REGISTRY' ENTERED AT 12:36:31 ON 14 NOV 2006

L47 1 SEA ABB=ON PLU=ON 7440-59-7/RN

FILE 'HCAPLUS' ENTERED AT 12:36:31 ON 14 NOV 2006

L48 111330 SEA ABB=ON PLU=ON L47
 L49 3544 SEA ABB=ON PLU=ON (L32 OR L33) AND (L48 OR HE OR HELIUM OR
 RARE GAS OR NOBLE GAS OR INERT GAS)

FILE 'HCAPLUS' ENTERED AT 12:37:04 ON 14 NOV 2006

L50 13694 SEA ABB=ON PLU=ON (L32 OR L33) AND (HELICON## OR PLASMA)
 L51 2038 SEA ABB=ON PLU=ON L49 AND L50
 L52 144 SEA ABB=ON PLU=ON L49 AND DOP####
 L53 93 SEA ABB=ON PLU=ON L51 AND L52
 L54 93 SEA ABB=ON PLU=ON L53 AND (DOP#### OR IMPURITY)
 L55 5 SEA ABB=ON PLU=ON L54 AND (ION#### OR CATION#### OR ANION####) (4A)DENS####
 L56 0 SEA ABB=ON PLU=ON L54 AND CHARG##### (4A)DENS####
 L57 2 SEA ABB=ON PLU=ON L54 AND (ION#### OR CATION#### OR ANION####) (4A)CHARG####
 L58 0 SEA ABB=ON PLU=ON L54 AND (CURRENT OR AMP OR AMPERAGE) (4A)CHARG###
 L59 2 SEA ABB=ON PLU=ON L54 AND AMP
 L60 0 SEA ABB=ON PLU=ON L54 AND AMPERAGE
 L61 0 SEA ABB=ON PLU=ON L54 AND AMPERE
 L62 14 SEA ABB=ON PLU=ON L54 AND CURRENT
 L63 0 SEA ABB=ON PLU=ON L54 AND BIAS
 L64 0 SEA ABB=ON PLU=ON L54 AND VOLTAGE
 L65 0 SEA ABB=ON PLU=ON L54 AND ELECTRIC#### (1A) POTENTIAL
 L66 1 SEA ABB=ON PLU=ON L54 AND VOLT#####
 L67 13487 SEA ABB=ON PLU=ON BIAS VOLTAGE
 L68 5085 SEA ABB=ON PLU=ON BIAS POTENTIAL
 L69 213 SEA ABB=ON PLU=ON L13 (L) MOA/RL
 L70 25 SEA ABB=ON PLU=ON L13 AND (L67 OR L68)
 L71 18 SEA ABB=ON PLU=ON (L67 OR L68) AND (L34 OR L36 OR L37 OR L39 OR L40 OR L43 OR L45)
 L72 24 SEA ABB=ON PLU=ON L16 AND L17
 L73 534 SEA ABB=ON PLU=ON L5 OR L6 OR (L20 OR L21 OR L22 OR L23 OR L24) OR (L26 OR
 L27 OR L28 OR L29 OR L30 OR L31) OR L46 OR (L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59 OR
 L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR L66) OR (L69 OR L70 OR L71 OR L72)
 L74 397 SEA ABB=ON PLU=ON L73 AND L13
 L75 82 SEA ABB=ON PLU=ON L73 AND (L34 OR L36 OR L37 OR L39 OR L40
 OR L43 OR L45)
 L76 438 SEA ABB=ON PLU=ON (L74 OR L75)
 L77 30 SEA ABB=ON PLU=ON (L32 OR L33) AND L76
 L78 51 SEA ABB=ON PLU=ON BIAS#### AND L76
 L79 39 SEA ABB=ON PLU=ON DENSITY AND L76

L80 41 SEA ABB=ON PLU=ON PLASMA#### (4A) (DOP#### OR IMPUR#### OR
 ADDIT####) AND L76
 L81 11 SEA ABB=ON PLU=ON L77 AND (L78 OR L79 OR L80)
 L82 12 SEA ABB=ON PLU=ON L78 AND (L79 OR L80)
 L83 0 SEA ABB=ON PLU=ON L79 AND L80
 L84 44 SEA ABB=ON PLU=ON (L77 OR L78 OR L79 OR L80) AND PLASMA####/TI
 L85 37 SEA ABB=ON PLU=ON (L77 OR L78 OR L79 OR L80) AND DOP####/TI
 L86 17 SEA ABB=ON PLU=ON L84 AND L85
 L87 26 SEA ABB=ON PLU=ON L81 OR L82 OR L86
 L88 12 SEA ABB=ON PLU=ON L87 AND 2003-2006/PRY,PY
 L89 15 SEA ABB=ON PLU=ON L87 AND 1990-2002/PRY,PY
 L90 1 SEA ABB=ON PLU=ON L87 AND 1980-1991/PRY,PY
 L91 14 SEA ABB=ON PLU=ON L87 NOT L88
 L92 16 SEA ABB=ON PLU=ON (L89 OR L90 OR L91)
 L93 15 SEA ABB=ON PLU=ON L92 NOT L1

FILE 'STNGUIDE' ENTERED AT 12:50:25 ON 14 NOV 2006

FILE 'HCAPLUS' ENTERED AT 12:52:32 ON 14 NOV 2006

L94 52713 SEA ABB=ON PLU=ON "BIAS POTENTIAL"/CT OR "ELECTRIC CURRENT-PO
 TENTIAL RELATIONSHIP"/CT OR OVERVOLTAGE/CT
 L95 8 SEA ABB=ON PLU=ON "ELECTRONIC PROPERTIES"/CT AND TEMPERATURE/CT
 L96 230428 SEA ABB=ON PLU=ON "ELECTRON TEMPERATURE"/CT OR ION TEMPERATUR
 L97 3317 SEA ABB=ON PLU=ON L94 AND (L95 OR L96)
 L98 1 SEA ABB=ON PLU=ON L97 AND PLASMA(4A) DILUT#####
 L99 10 SEA ABB=ON PLU=ON L97 AND PLASMA(4A) DOP#####
 L100 0 SEA ABB=ON PLU=ON L97 AND DILUT##### (4A) DOP####
 L101 11 SEA ABB=ON PLU=ON (L98 OR L99)
 L102 3 SEA ABB=ON PLU=ON (L13 OR L34 OR L36 OR L37 OR L39 OR L40 OR
 L43 OR L45) AND L101
 L103 3 SEA ABB=ON PLU=ON L102 NOT L93
 L104 3 SEA ABB=ON PLU=ON L103 NOT L1
 L105 5 SEA ABB=ON PLU=ON L101 AND BORON
 L106 2 SEA ABB=ON PLU=ON L101 AND DIBOR#####
 L107 0 SEA ABB=ON PLU=ON L101 AND BORID####
 L108 6 SEA ABB=ON PLU=ON (L105 OR L106) NOT (L93 OR L1)
 L109 6 SEA ABB=ON PLU=ON L108 OR L104
 L110 4 SEA ABB=ON PLU=ON L109 AND 1990-2002/PRY,PY
 L111 0 SEA ABB=ON PLU=ON L109 AND 1980-1989/PRY,PY
 L112 0 SEA ABB=ON PLU=ON L109 AND 1970-1979/PRY,PY
 L113 2 SEA ABB=ON PLU=ON L109 AND 2003-2006/PRY,PY
 L114 4 SEA ABB=ON PLU=ON L109 NOT L113

FILE 'INSPEC' ENTERED AT 12:59:27 ON 14 NOV 2006

L115 22849 SEA ABB=ON PLU=ON (ION OR ELECTRON) (W) TEMPERATURE
 L116 16079 SEA ABB=ON PLU=ON BIAS(2A) (VOLT#### OR POTENTIAL)
 L117 115701 SEA ABB=ON PLU=ON (CURRENT OR AMP OR AMPER#### OR CHARG####
 OR DISCHARG####) (4A) DENSITY
 L118 44190 SEA ABB=ON PLU=ON (CURRENT OR AMP OR AMPER#### OR CHARG####
 OR DISCHARG####) (4A) PLASMA
 L119 31 SEA ABB=ON PLU=ON L115 AND L116 AND L117
 L120 0 SEA ABB=ON PLU=ON L119 AND B DOP/CHI
 L121 0 SEA ABB=ON PLU=ON L119 AND BH3 DOP/CHI
 L122 0 SEA ABB=ON PLU=ON L119 AND BH3/CHI
 L123 0 SEA ABB=ON PLU=ON L119 AND B2H6/CHI

FILE 'STNGUIDE' ENTERED AT 13:02:15 ON 14 NOV 2006

FILE 'INSPEC' ENTERED AT 13:05:00 ON 14 NOV 2006

L124 1 SEA ABB=ON PLU=ON L119 AND B/CHI
 L125 139097 SEA ABB=ON PLU=ON DOPING OR A6170T/CC OR "E1710"/CC
 L126 138 SEA ABB=ON PLU=ON L115 AND L125
 L127 751 SEA ABB=ON PLU=ON L116 AND L125
 L128 4926 SEA ABB=ON PLU=ON L117 AND L125
 L129 626 SEA ABB=ON PLU=ON L118 AND L125
 L130 8 SEA ABB=ON PLU=ON (L126 OR L127 OR L128 OR L129) AND
 B2H6/CHI
 L131 2 SEA ABB=ON PLU=ON (L126 OR L127 OR L128 OR L129) AND
 B10H14/CHI
 L132 13 SEA ABB=ON PLU=ON (L126 OR L127 OR L128 OR L129) AND BF3/CHI
 L133 23 SEA ABB=ON PLU=ON (L130 OR L131 OR L132) NOT L124
 L134 18 SEA ABB=ON PLU=ON L133 NOT 2003-2006/PY
 L135 16 SEA ABB=ON PLU=ON L134 AND PLASMA
 L136 1 SEA ABB=ON PLU=ON L135 AND DILUT#####
 L137 15 SEA ABB=ON PLU=ON L135 NOT L136
 L138 8 SEA ABB=ON PLU=ON L137 AND (B OR B2H6 OR B10H14 OR B2 OR B10
 OR BF OR BF3 OR BORON OR BORID#### OR DIBORID####) (3A) DOP#####
 L139 7 SEA ABB=ON PLU=ON L137 NOT L138
 L140 0 SEA ABB=ON PLU=ON L139 AND (HE OR HELIUM OR HE/CHI)
 L141 0 SEA ABB=ON PLU=ON L139 AND (NOBLE OR INERT OR RARE) (W) GAS
 L142 1991 SEA ABB=ON PLU=ON PLASMA## (3A) DOP#####
 L143 12 SEA ABB=ON PLU=ON L142 AND (NOBLE OR INERT OR RARE) (W) GAS
 L144 117 SEA ABB=ON PLU=ON L142 AND (HE OR HELIUM OR HE/CHI)
 L145 17 SEA ABB=ON PLU=ON (L143 OR L144) AND B/CHI
 L146 17 SEA ABB=ON PLU=ON L145 NOT (L124 OR L136 OR L138)
 L147 6 SEA ABB=ON PLU=ON L146 AND 2003-2006/PY
 L148 11 SEA ABB=ON PLU=ON L146 NOT L147

14nov06 13:47:41 User259284 Session D3851.2

SYSTEM:OS - DIALOG OneSearch

File 23:CSA Technology Research Database 1963-2006/Oct
 File 2:INSPEC 1898-2006/Nov W1
 File 6:NTIS 1964-2006/Nov W1
 File 8:Ei Compendex(R) 1970-2006/Nov W1
 File 14:Mechanical and Transport Engineer Abstract 1966-2006/Oct
 File 25:Weldasearch 1966-2006/Oct
 File 31:World Surface Coatings Abs 1976-2006/Nov
 File 33:Aluminium Industry Abstracts 1966-2006/Oct
 File 35:Dissertation Abs Online 1861-2006/Oct
 File 36:MetalBase 1965-20061114
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 File 60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Oct
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 File 64:Environmental Engineering Abstracts 1966-2006/Oct
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 File 68:Solid State & Superconductivity Abstracts 1966-2006/Oct
 File 81:MIRA - Motor Industry Research 2001-2006/Sep
 File 94:JICST-EPlus 1985-2006/Jul W5
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 File 96:FLUIDEX 1972-2006/Aug
 File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Sep
 File 103:Energy SciTec 1974-2006/Sep B1
 File 118:ICONDA-Intl Construction 1976-2006/Oct
 File 134:Earthquake Engineering Abstracts 1966-2006/Oct
 File 144:Pascal 1973-2006/Oct W4
 File 239:Mathsci 1940-2006/Dec
 File 240:PAPERCHEM 1967-2006/Nov W1
 File 248:PIRA 1975-2006/Oct W4
 File 293:Engineered Materials Abstracts 1966-2006/Oct
 File 315:ChemEng & Biotec Abs 1970-2006/Oct
 File 323:RAPRA Rubber & Plastics 1972-2006/Oct
 File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2006/Oct

Set	Items	Description
S1	78917	(LOW OR ULTRALOW OR SUPERLOW) (W)CONCENTRATION? ?
S2	152	DILUT????(3N) (B2H6 OR B2 OR DIBOR????? OR B10 OR B5 OR B10H14 OR B5H7 OR BH3 OR BF3 OR BH OR BF)
S3	5911	(RARE OR NOBLE OR INERT OR HE OR HELIUM OR AR OR ARGON OR - MIX?????) (6N) (B2H6 OR B2 OR DIBOR????? OR B10 OR B5 OR B10H14 OR B5H7 OR BH3 OR BF3 OR BH OR BF)
S4	6056	(VOL? ? OR VOLUM????? OR PERCENT????? OR FRACTION? ? OR RATIO? ? OR PROPORTION?????) (4N) (B2H6 OR B2 OR DIBOR????? OR B10 OR B5 OR B10H14 OR B5H7 OR BH3 OR BF3 OR BH OR BF)
S5	1478	(FLOWRATE?? OR BLEND????? OR MOLE?? OR MOLAR??? OR RATE? ? - OR FEEDRATE? ?) (4N) (B2H6 OR B2 OR DIBOR????? OR B10 OR B5 OR B10H14 OR B5H7 OR BH3 OR BF3 OR BH OR BF)
S6	3467	PLASMA??(1N)DOP??????
S7	4	1AND6
S8	6	2AND6
S9	22	3AND6
S10	7	4AND6
S11	0	5AND6

S12 77299 PLASMA??(1N)(IMPLANT???? OR ION OR IONS OR IONIC OR IMPURI-
 T????)
 S13 72 1AND12
 S14 16 12AND2
 S15 52 12AND3
 S16 4 12AND4
 S17 4 12AND5
 S18 157 S7:S11 OR S13:S17
 S19 100 RD S18 (unique items)
 S20 30 S19/2003-2006
 S21 70 S19 NOT S20
 S22 13 S21 AND DOPING? ?
 S23 7 S21 AND BIAS????
 S24 0 S21 AND CODOP????
 S25 10 S21 AND DILU?????
 S26 8 S21 AND (CURRENT? ? OR AMP? ? OR AMPER?????)
 S27 15 S21 AND (POTENTIAL? ? OR VOLT?????)
 S28 4 S21 AND EV
 S29 8 S21 AND V
 S30 8 S21 AND (ION OR ELECTRON)(W)(TEMP? ? OR TEMPERATURE? ?)
 S31 38 S22:S30